

### **AMENDMENTS TO THE CLAIMS**

Please cancel claims 16-17, 24-27 and 32 without prejudice or disclaimer of the subject matter contained therein.

Please amend claims 13, 18 and 29.

Pursuant to 37 C.F.R. § 1.121 the following listing of claims will replace all prior versions, and listings, of claims in the application.

#### **Listing of the Claims:**

Claims 1-12 (Canceled)

Claim 13 (Currently Amended): A method for transmitting measured information from a measuring computer to a control computer of a measuring system, the measuring computer and the control computer being interconnected via a telecommunications network, the method comprising:

transmitting a plurality of measurement packets from a sending measuring computer to the measuring computer over a measurement path so as to provide measured data including a plurality of respective one-way delay measurements of the measurement path;

combining the measured data into characteristic values having a lower volume than the measured data, the characteristic values including at least one of a mean measurement path one-way delay, a maximum measurement path one-way delay, and minimum measurement path one-

way delay, a standard deviation of a measurement path one-way delay, a mean measurement path IP delay variation, a maximum measurement path IP delay variation, a standard deviation of a measurement path IP delay variation, a measurement path packet loss, and a measurement path packet throughput over a time interval;

associating the characteristic values with a time of the combining; and

transmitting the characteristic values from the measuring computer to the control computer.

Claim 14 (Previously Presented): The method as recited in claim 13 wherein the telecommunications network includes at least one of an internet and an intranet.

Claim 15 (Previously Presented): The method as recited in claim 13 wherein the measured data includes a plurality of measurement parameters, and wherein the combining is performed according to the respective measurement parameters.

Claim 16-17 (Canceled)

Claim 18 (Currently Amended): The method as recited in claim 13 further comprising determining ~~[[a]] the time interval for combining the measured data~~ as a function of a measuring method.

Claim 19 (Previously Presented): The method as recited in claim 13 wherein the measuring system includes a second measuring computer and wherein measurement packets are transmitted between measuring computer and the second measuring computer.

Claim 20 (Previously Presented): The method as recited in claim 19 wherein the measurement packets include User Datagram Protocol measurement packets.

Claim 21 (Previously Presented): The method as recited in claim 19 wherein the characteristic values include a sum of all packets lost and a maximum of all successively occurring packet losses, and

further comprising determining the sum of all packets lost and the maximum of all successively occurring packet losses during a detection of measurement packet losses in a time interval.

Claim 22 (Previously Presented): The method as recited in claim 19 wherein the measured data includes unidirectional transmission characteristics.

Claim 23 (Previously Presented): The method as recited in claim 19 wherein the combining and transmitting are performed using the measuring computer, and wherein the measuring computer functions as a receiver and the second measuring computer functions as a sender.

Claim 24-28 (Cancelled)

Claim 29 (Currently Amended): A measuring system comprising:

a control computer; and

a measuring computer interconnected with the control computer via a telecommunications network, the measuring computer being configured to:

transmit a plurality of measurement packets from a sending measuring computer to the measuring computer over a measurement path so as to provide measured data including a plurality of respective one-way delay measurements of the measurement path;

combining combine the measured data into characteristic values having a lower volume than the measured data, the characteristic values including at least one of a mean measurement path one-way delay, a maximum measurement path one-way delay, and minimum measurement path one-way delay, a standard deviation of a measurement path one-way delay, a mean measurement path IP delay variation, a maximum measurement path IP delay variation, a standard deviation of a measurement path IP delay variation, a measurement path packet loss, and a measurement path packet throughput over a time interval;

associate the characteristic values with a time of the combining; and

transmit the characteristic values to the control computer.

Claim 30 (Previously Presented): The measuring system as recited in claim 29 wherein the telecommunications network includes at least one of an internet and an intranet.

Claim 31 (Previously Presented): The measuring system as recited in claim 29 wherein the measured data includes a plurality of measurement parameters, and wherein the combining is performed according to the respective measurement parameters.

Claim 32 (Canceled)